

Abstract of the Disclosure

Provided is a rheoforming apparatus that ensures the manufacture of products with fine, uniform, spherical particles, with improvements in energy efficiency and mechanical properties of the products, cost reduction, convenience of forming, and shorter process duration. The apparatus includes a first sleeve, an end of which is formed with a slurry outlet port for releasing a slurry, a second sleeve for retaining a molten metal, an end of which communicates with the first sleeve, a sealing member for opening or closing the end of the second sleeve, a stirring unit for applying an electromagnetic field to the second sleeve, and a plunger, which is slidably inserted into the other end of the second sleeve to press the slurry manufactured in the second sleeve.